•	0	(receiver with ((multiple or plural or dual) adj antenna\$1)) and ((pre adj2 filter) and ((multiple or dual or plural) adj fir adj	USPAT; US-PGPUB; EPO; JPO;	2003/10/21 15:26
		filter\$1))	DERWENT	
_	0	((pre adj2 filter) with ((multiple or dual or	USPAT;	2003/10/21
		plural) adj fir adj filter\$1))	US-PGPUB;	13:24
			EPO; JPO;	·
			DERWENT	
-	49	((pre adj2 filter) with (fir adj filter\$1))	USPAT;	2003/10/21
			US-PGPUB;	13:24
			EPO; JPO;	
			DERWENT	
-	0	(375/347.ccls. and receiver with ((multiple	USPAT;	2003/10/21
		or plural or dual) adj antenna\$1)) and ((pre	US-PGPUB;	13:48
		adj2 fllter) with (fir adj filter\$1))	EPO; JPO;	
			DERWENT	
-	0	(((pre adj2 filter) with (fir adj filter\$1)))	USPAT;	2003/10/21
		and (decision adj logic)	US-PGPUB;	13:48
			EPO; JPO;	
			DERWENT	
-	26	(((pre adj2 filter) with (fir adj filter\$1)))	USPAT;	2003/10/21
		and @ad<=19991008	US-PGPUB;	13:34
			EPO; JPO;	
			DERWENT	0000140104
-	0	((((pre adj2 filter) with (fir adj filter\$1)))	USPAT;	2003/10/21
		and @ad<=19991008) and receiverp	US-PGPUB; EPO; JPO;	13:34
	·	_	DERWENT	
_	. 0	((((pre adj2 filter) with (fir adj filter\$1)))	USPAT;	2003/10/21
		and @ad<=19991008) and (receiver and	US-PGPUB;	13:48
		((multiple or plural or dual) adj antenna\$1))	EPO; JPO;	
			DERWENT	
-	2	((((pre adj2 filter) with (flr adj filter\$1)))	USPAT;	2003/10/21
		and @ad<=19991008) and (receiver and	US-PGPUB;	13:46
		antenna\$1)	EPO; JPO;	
		·	DERWENT	
-	0	((((pre adj2 filter) with (fir adj filter\$1)))	USPAT;	2003/10/21
		and @ad<=19991008) and ((multiple or	US-PGPUB;	13:47
		plural or dual) adj antenna\$1)	EPO; JPO;	
		040/040	DERWENT	2002/40/04
-	4	348/612.ccls. and (receiver and antenna\$1)	USPAT;	2003/10/21
			US-PGPUB;	13:46
			EPO; JPO; DERWENT	
_	0	(348/612.ccis. and (receiver and	USPAT;	2003/10/21
		antenna\$1)) and ((multiple or plural or	US-PGPUB;	13:47
	·	dual) adj antenna\$1)	EPO; JPO;	
		,,	DERWENT	
	2899	(receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))	US-PGPUB;	14:32
			EPO; JPO;	
			DERWENT	

-	0 ((receiver and ((multiple or plural or du adj antenna\$1))) and ((pre adj2 filter) wi fir adj filter\$1))	•
-	3 (((receiver and ((multiple or plural or du adj antenna\$1))) and (decision adj logic) and @ad<=19991008	al) USPAT; 2003/10/21 US-PGPUB; 13:49 EPO; JPO;
-	((receiver and ((multiple or plural or du adj antenna\$1))) and ((pre adj2 filter) wi decision adj logic))	• •
	4 ((pre adj2 filter) with (decision adj logic	
	(((pre adj2 filter) with (decision adj logi and (receiver and ((multiple or plural or dual) adj antenna\$1))	lc))) USPAT; 2003/10/21
	((receiver and ((multiple or plural or dua adj antenna\$1))) and (decision adj logic)	al) USPAT; 2003/10/21
-	0 (((receiver and ((multiple or plural or du adj antenna\$1))) and (decision adj logic) and (pre adj2 filter)	
	8 (((receiver and ((multiple or plural or du adj antenna\$1))) and (decision adj logic) and (filter)	
-	8 ((((receiver and ((multiple or plural or d adj antenna\$1))) and (decision adj logic) and (filter)) and ((multiple or plural or dual) adj antenna\$1)	
-	1 (((receiver and ((multiple or plural or du adj antenna\$1))) and (decision adj logic) and (fir adj filter)	al) USPAT; 2003/10/21
-	0 (((receiver and ((multiple or plural or du adj antenna\$1))) and (decision adj logic) and (fir adj filter) and @ad<=19991008	al) USPAT; 2003/10/21
-	0 ((pre adj2 filter with (fir adj filter)) with decision adj logic))	
-	0 ((pre adj2 filter with (flr adj filter)) and decision adj logic))	

-	0	375/349.ccls. and ((pre adj2 filter with (fir	USPAT;	2003/10/22
		adj filter)) with (decision adj logic))	US-PGPUB; EPO; JPO;	08:51
			DERWENT	
	4	375/349.ccls. and ((pre adj2 filter))	USPAT;	2003/10/21
4		· · · · · · · · · · · · · · · · · · ·	US-PGPUB;	15:11
			EPO; JPO;	·
		·	DERWENT	
•	4	(375/349.ccls. and ((pre adj2 filter))) and	USPAT;	2003/10/21
		receiver and @ad<=19991008	US-PGPUB;	15:12
			EPO; JPO;	
			DERWENT	
	1	((375/349.ccls. and ((pre adj2 filter))) and	USPAT;	2003/10/21
		receiver and @ad<=19991008) and (fir adj	US-PGPUB;	15:16
		filter)	EPO; JPO;	
		*	DERWENT	
•	6	158713.ap.	USPAT;	2003/10/21
			US-PGPUB;	15:17
•			EPO; JPO;	
			DERWENT	
	0	60158713.ap.	USPAT;	2003/10/21
			US-PGPUB;	15:17
			EPO; JPO;	
			DERWENT	
•	13	((pre adj2 fliter and (fir adj fliter)) and (USPAT;	2003/10/21
		decision adj logic))	US-PGPUB;	15:18
			EPO; JPO;	
			DERWENT	
	1	(((pre adj2 filter and (fir adj filter)) and (USPAT;	2003/10/21
		decision adj logic))) and @ad<=19991008	US-PGPUB;	15:22
		and receiver	EPO; JPO;	
			DERWENT	
ı	2	(((((receiver and ((multiple or plural or	USPAT;	2003/10/21
		dual) adj antenna\$1))) and (decision adj	US-PGPUB;	15:22
		logic)) and (filter)) and ((multiple or plural	EPO; JPO;	
		or dual) adj antenna\$1)) and	DERWENT	
	·	@ad<=19991008 and receiver		
•	0	(((((receiver and ((multiple or plural or	USPAT;	2003/10/21
		dual) adj antenna\$1))) and (decision adj	US-PGPUB;	15:25
		logic)) and (filter)) and ((multiple or plural	EPO; JPO;	
		or dual) adj antenna\$1)) and (pre adj2 filter)	DERWENT	
	0	(((pre adj2 filter) and ((multiple or dual or	USPAT;	2003/10/21
		plural) adj fir adj filter\$1))) and	US-PGPUB;	15:27
	•	@ad<=19991008	EPO; JPO;	
			DERWENT	
-	9	((pre adj2 filter) and ((multiple or dual or	USPAT;	2003/10/21
		plural) adj fir adj filter\$1))	US-PGPUB;	15:29
			EPO; JPO;	
			DERWENT	000011015
•	.0	"4561012" and ((multiple or plural or dual)	USPAT;	2003/10/21
	70	adj antenna\$1)	US-PGPUB;	15:31
	1		EPO; JPO;	

Search History 10/22/03 3:15:48 PM Page 5

			_	
-	0	358/11.ccls. and ((multiple or plural or	USPAT;	2003/10/21
		dual) adj antenna\$1)	US-PGPUB;	15:33
			EPO; JPO;	
			DERWENT	
-	12	"4561012"	USPAT;	2003/10/21
		·	US-PGPUB;	15:32
			EPO; JPO;	
			DERWENT	
-	0	((375/347.ccls. and receiver with ((multiple	USPAT;	2003/10/21
		or plural or dual) adj antenna\$1)) and ((pre	US-PGPUB;	15:34
		adj2 filter) with (fir adj filter\$1))) and (EPO; JPO;	
		antenna\$1)	DERWENT	
_	1	"4561012" and (antenna\$1)	USPAT;	2003/10/21
	-	, and the district of the second of the seco	US-PGPUB;	15:34
			EPO; JPO;	10104
		-	DERWENT	
_	23	375/349.ccls. and (antenna\$1) and (fir adj	USPAT;	2003/10/22
-	23	filter\$1) and receiver	1	
		miteral) and receiver	US-PGPUB;	10:13
			EPO; JPO;	
			DERWENT	
•	16	(375/349.ccls. and (antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver) and @ad<=19991008	US-PGPUB;	08:52
			EPO; JPO;	
			DERWENT	
-	1	375/349.ccls. and ((antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver and (decision adj	US-PGPUB;	10:14
		logic))	EPO; JPO;	
	j		DERWENT	
-	0	375/349.ccls. and ((antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver and (decision adj	US-PGPUB;	10:14
-		logic)) and @ad<=19991008	EPO; JPO;	
			DERWENT	
-	0	375.ccls. and ((antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver and (decision adj	US-PGPUB:	10:14
		logic)) and @ad<=19991008	EPO; JPO;	
			DERWENT	
-	. 0	(((antenna\$1) and (fir adj filter\$1) and	USPAT;	2003/10/22
		receiver and (decision adj logic)) and	US-PGPUB;	10:14
		@ad<=19991008) and (pre adj2 filter\$1)	EPO; JPO;	
		gaa v 1000 1000) and (pro da)2 more ry	DERWENT	
. _	4	((antenna\$1) and (fir adj filter\$1) and	USPAT;	2003/10/22
_	"	receiver and (decision adj logic)) and	US-PGPUB;	10:40
1		@ad<=19991008	EPO; JPO;	10.70
		<u> </u>	DERWENT	,
	220	(equalizer) and (antenna\$1) and (digital adj		2003/40/22
]	328		USPAT;	2003/10/22 10:40
		radio)	US-PGPUB;	10:40
			EPO; JPO;	
	40-	//amalian\ and /	DERWENT	2002/40/20
-	105	((equalizer) and (antenna\$1) and (digital adj	USPAT;	2003/10/22
		radio)) and receiver and logic	US-PGPUB;	10:41
			EPO; JPO;	
			DERWENT	

•	105	((equalizer) and (antenna\$1) and (digital adj radio)) and (receiver and logic)	USPAT; US-PGPUB;	2003/10/22 10:41
			EPO; JPO; DERWENT	
-	89	(((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radlo)) and (receiver and logic)) and	US-PGPUB;	11:42
		@ad<=19991008	EPO; JPO; DERWENT	
-	31	((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	10:41
		@ad<=19991008) and (fir adj filter\$1)	EPO; JPO; DERWENT	
-	31	(((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	11:59
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	
		sampl\$3	DERWENT	
•	22	((((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (recelver and logic)) and @ad<=19991008) and (fir adj filter\$1)) and	US-PGPUB; EPO; JPO;	11:34
		sampl\$3) and processor	DERWENT	•
_	2	(((((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
	· -	adj radio)) and (receiver and logic)) and	US-PGPUB;	12:00
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	
		sampl\$3) and processor) and ((sampl\$3 adj	DERWENT	
		rate) with (symbol adj rate))		
-	22	((((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	11:34
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	
	20	sampl\$3) and processor and antenna\$1	DERWENT	0000/40/00
•	22	((((((equalizer) and (antenna\$1) and (digital adj radio)) and (receiver and logic)) and	USPAT; US-PGPUB;	2003/10/22 11:34
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	11.34
		sampl\$3) and (processor and antenna\$1)	DERWENT	
	257	((equalizer) and (antenna\$1) and (digital adj	USPAT;	2003/10/22
		radio)) and @ad<=19991008	US-PGPUB;	11:42
			EPO; JPO;	
			DERWENT	
-	170	(((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and @ad<=19991008) and	US-PGPUB;	11:42
		sampl\$3	EPO; JPO; DERWENT	·
	23	((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
_	23	adj radio)) and @ad<=19991008) and	US-PGPUB;	11:58
		sampl\$3) and ((sampl\$3 adj rate) with	EPO; JPO;	
		(symbol adj rate))	DERWENT	
-	90911	receiver and antenna\$1	USPAT;	2003/10/22
			US-PGPUB;	12:05
		·	EPO; JPO;	
			DERWENT	
-	2295	(receiver and antenna\$1) and equalizer	USPAT;	2003/10/22
			US-PGPUB;	11:58
			EPO; JPO;	
<u></u>	<u></u>		DERWENT	L

Search History 10/22/03 3:15:48 PM Page 7

-	309	((receiver and antenna\$1) and equalizer)	USPAT;	2003/10/22
		and (fir adj filter)	US-PGPUB;	12:06
			EPO; JPO;	
			DERWENT	
	285	(((receiver and antenna\$1) and equalizer)	USPAT;	2003/10/22
		and (fir adj filter)) and sampl\$3	US-PGPUB;	11:59
			EPO; JPO;	
			DERWENT	
•	285	((((receiver and antenna\$1) and equalizer)	USPAT;	2003/10/22
		and (fir adj filter)) and sampl\$3) and	US-PGPUB;	12:00
		ad<=19991008	EPO; JPO;	
			DERWENT	
•	61	(((((receiver and antenna\$1) and equalizer)	USPAT;	2003/10/22
		and (fir adj filter)) and sampl\$3) and	US-PGPUB;	12:05
		ad<=19991008) and (digital adj radio)	EPO; JPO;	
			DERWENT	
	17	((((((receiver and antenna\$1) and equalizer)	USPAT;	2003/10/22
		and (fir adj filter)) and sampl\$3) and	US-PGPUB;	12:02
		ad<=19991008) and (digital adj radio)) and	EPO; JPO;	
		((sampl\$3 adj rate) with (symbol adj rate))	DERWENT	
	50	(((((receiver and antenna\$1) and equalizer)	USPAT;	2003/10/22
		and (fir adj filter)) and sampi\$3) and	US-PGPUB;	12:02
		ad<=19991008) and ((sampl\$3 adj rate) with	EPO; JPO;	
	İ	(symbol adj rate))	DERWENT	
	2899	receiver and ((multiple or plural or dual)	USPAT;	2003/10/22
		adj antenna\$1)	US-PGPUB;	12:05
			EPO; JPO;	
	•		DERWENT	
-	107	(receiver and ((multiple or plural or dual)	USPAT;	2003/10/22
		adj antenna\$1)) and (digital adj radio)	US-PGPUB;	12:05
			EPO; JPO;	
			DERWENT	
•	17	((receiver and ((multiple or plural or dual)	USPAT;	2003/10/22
		adj antenna\$1)) and (digital adj radio)) and	US-PGPUB;	12:09
		(fir adj filter)	EPO; JPO;	
			DERWENT	
	10	(((receiver and ((multiple or plural or dual)	USPAT;	2003/10/22
		adj antenna\$1)) and (digital adj radio)) and	US-PGPUB;	13:14
		(fir adj filter)) and equalizer	EPO; JPO;	
			DERWENT	
•	10	(((receiver and ((multiple or plural or dual)	USPAT;	2003/10/22
		adj antenna\$1)) and (digital adj radio)) and	US-PGPUB;	12:09
		(fir adj filter\$1)) and equalizer	EPO; JPO;	
		' ' ' '	DERWENT	